



King County

ENVIRONMENTAL CHECKLIST

Purpose of the Checklist:

The State Environmental Policy Act (SEPA), Chapter 43.21 RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer or if a question does not apply to your proposal, write "**do not know**" or "**does not apply.**" Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of Checklist for Nonproject Proposals:

Complete this checklist for Nonproject proposals, even though questions may be answered "**does not apply.**" In addition, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (PART D).

For Nonproject actions, the references in the checklist to the words "**project,**" "**applicant,**" and "**property or site**" should be read as "**proposal,**" "**proposer,**" and "**affected geographic area,**" respectively.

**KING COUNTY FLOOD PROTECTION FACILITY MAINTENANCE
AND FLOOD DAMAGE REPAIR PROGRAM**

A. BACKGROUND

1. *Name of the proposed project, if applicable:*

SE 19th Way Road Realignment Project

2. *Name of Applicant:*

King County Department of Natural Resources and Parks
Water and Land Resources Division
River and Floodplain Management Section

3. *Address and phone number of applicant and contact person:*

Mary Lear, Project Manager
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Water and Land Resources Division, River and Floodplain Management Unit
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4. *Date checklist prepared:*

April 25, 2017

5. *Agency requesting checklist:*

King County Department of Natural Resources and Parks
Water and Land Resources Division
River and Floodplain Management Section

6. *Proposed timing or schedule (including phasing, if applicable):*

Construction is planned for 2017.

7. *Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.*

Yes. A bank stabilization project is also being planned for summer 2018.

8. *Is there any environmental information you know about what has been prepared, or will be prepared, directly related to this proposal:*

- A Geotechnical Data Report for the project was prepared in April 2016.

- A Geomorphic Assessment was also prepared in November 2016.
- A Cultural Resources Assessment was prepared in April 2016.
- A report on results of environmentally sensitive areas delineated was prepared in October 2016.
- King County's Design and Construction Standards (King County Department of Transportation Road Services Division 2007) were followed for the design of the road realignment.
- The King County 2016 Surface Water Design Manual was followed.

9. *Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.*

To our knowledge, no applications are pending for government approval that affect the property associated with SE 19th Way Road Realignment Project.

10. *List any government approvals or permits that will be needed for your proposal, if known:*

The project must comply with King County regulations including the Clearing and Grading Ordinance. A Shoreline Substantial Development Permit or Shoreline Exemption will be needed. A Hydraulic Project Approval (HPA) from Washington Department of Fish and Wildlife may also be required.

11. *Give a brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)*

King County proposes to relocate a 440-foot-long section of road that is threatened by river bank erosion and was damaged by over bank flooding of the Snoqualmie River. The proposal is to move the road landward and comply with King County standards. The area of disturbance is projected to be less than one acre.

12. *Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.*

The proposal is on SE 19th Way in the lower Snoqualmie Valley, approximately 2.5 river miles downstream of Fall City, on parcel 042407-9010.

B. ENVIRONMENTAL ELEMENTS

1. Earth

- a. *General description of the site (underline one): Flat, rolling, hilly, steep slopes, mountainous, other: river banks.*

Flat and along the river bank.

- b. *What is the steepest slope on the site (approximate percent slope)?*

The existing topography of the project areas is very flat, with all slopes easily less than 1-percent. The side slopes of the proposed roadway are designed to be 10 to 1.

- c. *What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.*

The Snoqualmie River deposited sand and silt beyond its channel during flood events. These deposits, termed Overbank Alluvium, are typically very loose to loose silty sand and sandy silt, and very soft to medium stiff silt. Organics, including wood roots, are present. Geotechnical borings drilled in the study area encountered Overbank Alluvium at or near the ground surface and extending down to the contact with the underlying Channel Alluvium at approximately elevation 60 feet.

- d. *Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.*

Yes, erosion of the adjacent river bank has led to the need for this project.

- e. *Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.*

Grading and fill will be needed to create a road that is 24 feet wide (20 feet traveled width) and 440 feet long. Materials used to construct the road will be imported to the site from commercial sources:

- f. *Could erosion occur as a result of clearing, construction, or use? If so, generally describe.*

No work on or directly adjacent to the river bank is proposed for the SE 19th Way Road Realignment Project. The existing ground surface is very flat within the project site. The existing road is asphalt concrete and parts that are not reconstructed will be left as is.

- g. *About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?*

New road surface will add approximately 0.25 acres of impervious surface to a 77-acre parcel to create the new road. However, approximately 0.2 acres of existing impervious road surface will be removed during the second phase of the project in 2018 as part of the revetment repair.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

The use of Best Management Practices (BMPs) will provide the basis for eliminating or minimizing any potential adverse environmental impacts from the proposed project. These will include minimizing the area of disturbance, marking clearing limits, allowing soils to be exposed to erosive forces for only a short time, and managing storm water on the site in compliance with state and local regulations. Silt fencing will be installed along the project perimeter between the exposed soils and the river.

2. Air

a. What types of emissions to the air would result from the proposal (for example, dust, automobile, odors, industrial, wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities, if known.

During construction, emissions to the air may occur from equipment at the site, e.g., back-hoes, loaders and trucks. Construction equipment is equipped with standard mufflers and emission control equipment.

Airborne dust particles may result from construction activities. Upon project completion, emissions related to construction will cease. The completed projects will not cause an increase in vehicle trips or contribute to air quality degradation.

b. Are there any off-site sources of emissions or odors that may affect your proposal? If so, generally describe.

No.

c. Describe proposed measures to reduce or control emissions or other impacts to air, if any:

BMPs will be conducted during construction to suppress dust. These include covering soil stockpiles and applying water or soil binder to exposed soil surfaces during dry, dusty weather conditions.

3. Water

a. Surface:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, and wetlands)? If yes, describe type and provide names. If appropriate, state what

stream or river it flows into.

The Snoqualmie River is adjacent to the site.

- 2) *Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.*

Yes, the project site is within 200 feet of the Snoqualmie River.

- 3) *Estimate the amount of fill and dredge material that could be placed in or removed from surface water or wetlands and indicate the area of the site that will be affected. Indicate the source of fill material.*

Zero. No dredging or filling in water bodies is proposed.

- 4) *Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities, if known.*

No.

- 5) *Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.*

Yes.

- 6) *Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.*

No.

b. *Ground:*

- 1) *Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities, if known.*

No.

- 2) *Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: domestic sewage, industrial chemicals, agricultural, etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.*

No waste material will be discharged into the ground as a result of this project.

c. *Water Runoff (including stormwater):*

- 1) *Describe the source of runoff (including stormwater) and method of collection*

and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

The SE 19th Way roadway meets the definition of a rural minor access road for King County, with an average daily traffic count of less than 2,000 vehicles and serving less than 200 homes. For this reason, no permanent stormwater treatment will be required for the proposed roadway realignment. The small scale of the project reduces the potential for the project to degrade surface water quality.

Runoff will continue to sheet flow to the southeast side of the road where it will infiltrate into vegetated, permeable soils.

2) *Could waste materials enter ground or surface waters? If so, generally describe.*

During construction, portable toilets will be installed for construction personnel to use. No other waste materials are anticipated to be generated for this project.

d. *Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:*

Best Management Practices will be used during construction. These include minimizing the area of disturbance, marking clearing limits, and covering exposed soils.

4. Plants

a. *Check or underline types of vegetation found on the site:*

- deciduous tree: alder, maple, aspen, other: cottonwood, Oregon Ash, bitter cherry poplar
- evergreen tree: fir, cedar, pine, other: hemlock, spruce
- shrubs: blackberries, butterfly bush, Scot's broom, willows, dogwood, ninebark, hardhack, other: wild rose, thimbleberry
- grass: reed canary grass; pasture grasses
- pasture land
- crop land
- wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other
- water plants: water lily, eelgrass, milfoil, other
- other types of vegetation

b. *What kind and amount of vegetation will be removed or altered?*

SE 19th Way Road Realignment Project is in an agricultural field and ties into existing road bed on either end.

c. *List threatened or endangered species known to be on or near the site:*

Puget Sound chinook, Puget Sound steelhead and bull trout are in the Snoqualmie

River which is adjacent to the site.

- d. *Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:*

Grass seed will be used on exposed soils.

5. Animals

- a. *Underline any birds and animals which have been observed on or near the site, or are known to be on or near the site:*

 X invertebrates: terrestrial insects
 fish:
 X reptiles: snakes, lizards, other: amphibians
 X birds: hawk, heron, eagle, songbirds
 X mammals: deer, bear, elk, fox, other: mouse, vole

- b. *List any threatened or endangered species known to be on or near the site:*

Puget Sound chinook, Puget Sound steelhead and bull trout are in the Snoqualmie River adjacent to the site.

- c. *Is the site part of a migration route? If so, explain.*

Juvenile and adult anadromous and resident fish migrate through the Snoqualmie River adjacent to the project site. Juvenile chinook migrate downstream early in the year and adults return upstream late in the year. Steelhead often have a similar pattern, but some young steelhead remain in rivers for a year or two. Bull trout are typically present when water temperatures are low and food is most available.

- d. *Proposed measures to preserve or enhance wildlife, if any:*

Avoidance measures include no in-water work and BMPs to ensure that construction does not impact nearby surface waters.

6. Energy and Natural Resources

- a. *What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.*

No energy will be needed for the completed project.

- b. *Would your project affect the potential use of solar energy by adjacent properties? If so, explain.*

No.

- c. *What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:*

Energy conservation features are not included in this proposal.

7. Environmental Health

- a. *Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.*

The potential for spills of toxic or hazardous materials, and related risks of fire or explosion, are limited to the petroleum fuels used by equipment for project construction. Appropriate spill control plans will be in place.

- 1) *Describe special emergency services that might be required.*

The need for special emergency services is not anticipated.

- 2) *Proposed measures to reduce or control environmental health hazards, if any:*

None.

- b. *Noise:*

- 1) *What types of noise exist in the area which may affect your project (for example: traffic, equipment operation, other)?*

None.

- 2) *What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, equipment operation, other)? Indicate what hours noise would come from the site.*

On a short-term basis, noise will be generated from construction equipment, e.g., truck traffic hauling materials to and from the site, excavator activity, etc. Short-term noise impacts will be minimized by limiting the hours of construction in accordance with applicable regulations. Short-term noise impacts will cease upon project completion; no long-term noise impacts are anticipated.

- 3) *Proposed measures to reduce or control noise impacts, if any:*

Standard mufflers will be used on all construction equipment during regular daytime working hours.

8. Land and Shoreline Use

a. *What is the current use of the site and adjacent properties?*

Agricultural.

b. *Has the site been used for agriculture? If so, describe.*

Yes. SE 19th Way is the sole access for a dairy farm.

c. *Describe any structures on the site.*

In addition to SE 19th Way, overhead power lines are present.

d. *Will any structures be demolished? If so, what?*

No.

e. *What is the current zoning classification of the site?*

A-10, agricultural, one DU per 10 acres.

f. *What is the current comprehensive plan designation of the site?*

The site is within the Agricultural Production District.

g. *If applicable, what is the current shoreline master program designation of the site?*

Aquatic Shoreline.

h. *Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.*

The project is landward of the existing roadway. Because the Snoqualmie River is adjacent to the project site, the site is within the riparian corridor. King County considers floodplains to be critical areas and the project is in the floodplain.

i. *Approximately how many people would reside or work in the completed project?*

None.

j. *Approximately how many people would the completed project displace?*

None.

k. *Proposed measures to avoid or reduce displacement impacts, if any:*

No displacement impacts are expected; therefore, no avoidance or reduction measures are needed.

- l. *Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:*

The proposed projects, when completed, would remain compatible with the existing land uses in the area.

9. **Housing**

- a. *Approximately how many units would be provided, if any? Indicate whether high-, middle-, or low-income housing.*

None.

- b. *Approximately how many units, if any, would be eliminated? Indicate whether high-, middle-, or low-income housing.*

None.

- c. *Proposed measures to reduce or control housing impacts, if any:*

No housing units will be affected by these projects; therefore, no mitigation measures are needed.

10. **Aesthetics**

- a. *What is the tallest height of any proposed structure(s), not including antennas? What is the principal exterior building material(s) proposed?*

Does not apply.

- b. *What views in the immediate vicinity would be altered or obstructed?*

Does not apply.

- c. *Proposed measures to reduce or control aesthetic impacts, if any:*

No adverse impacts are expected; therefore, no mitigation measures are needed.

11. **Light and Glare**

- a. *What type of light or glare will the proposal produce? What time of day would it mainly occur?*

None.

- b. *Could light or glare from the finished project be a safety hazard or interfere with views?*

None.

- c. *What existing off-site sources of light or glare may affect your proposal?*

None.

- d. *Describe proposed measures to reduce or control light and glare impacts, if any:*

There is no need for measures to mitigate light and glare impacts in these completed projects.

12. Recreation

- a. *What designated and informal recreational opportunities are in the immediate vicinity?*

Informal recreational opportunities including river viewing, fishing, bird watching, and river rafting, paddling are available.

- b. *Would the proposed project displace any existing recreational uses? If so, describe.*

No.

- c. *Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:*

Impacts are not anticipated.

13. Historic and Cultural Preservation

- a. *Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.*

No.

- b. *Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.*

No landmarks or evidence of historic, archaeological, or scientific importance are known to be on or next to this site.

- c. *Describe proposed measures to reduce or control impacts, if any:*

No impacts to historic or cultural sites are anticipated at this time; therefore, no specific mitigation measures are proposed to reduce or control impacts. However, the

State and National Registers of Historic Places will be researched before starting this project. If there is potential to affect Native American archaeological or cultural resources, King County will contact the affected Tribe and the Washington State Office of Archaeology and Historic Preservation (WAOAHP) before beginning the project. If deemed necessary by OAH (per Chapters 27.44; 27.53 RCW Chapter 25-48 WAC) or the Tribe, an historic or archaeological excavation assessment will be prepared and an OAH permit will be obtained before conducting the project.

14. Transportation

- a. *Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on-site plans, if any.*

SE 19th Way.

- b. *Is the site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?*

No. Public transit does serve Fall City, 2½ miles upriver to the south of the site.

- c. *How many parking spaces would the completed project have? How many would the project eliminate?*

Does not apply.

- d. *Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).*

Yes. This is the project purpose. Please refer to the project description.

- e. *Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.*

No.

- f. *How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.*

None.

- g. *Proposed measures to reduce or control transportation impacts, if any:*

No post-construction impacts are anticipated on transportation; therefore, no measures to reduce or control transportation impacts are needed.

15. Public Services

a. *Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.*

No.

b. *Proposed measures to reduce or control direct impacts on public services, if any:*

No impacts on public services is anticipated.

16. Utilities

a. *Underline utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.*

Electricity: N/A
Natural Gas: N/A
Water: N/A
Telephone: N/A
Sanitary Sewer: N/A
Other: N/A

b. *Describe the utilities that are proposed for the project, the utility providing the service and the general construction activities on the site or in the immediate vicinity that might be needed.*

Utility services will not be needed by this project.

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: 

Title: Engineer

Date Submitted: 17 MAY 2017